



Strong performance spot light for retrofit MR16 halogen spots

MASTER LEDspot LV

Delivering intense accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot lighting. MASTER LEDspot LV is designed to replace halogen or incandescent spots. It realizes natural colors, enables cozy and comfortable ambience for residential, hospitality and emphasizes the beauty of merchandise in retail. New smaller housing provides perfect fitting with majority of luminaires in a market with a MR16 GU 5.3 holder. It not only employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensure stricter color consistency, that is maintained over product life. MASTER LEDspot LV delivers huge energy savings and minimizes maintenance cost without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within short period time.

Benefits

- High intensity of beam for accent lighting in professional applications
- Strong brightness maintained over time
- More natural colors realised for cozy ambience for hospitality and better merchandise display in retail application

MASTER LEDspot LV

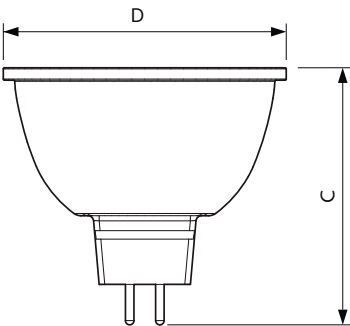
Features

- High intensity of beam equivalent to halogen spots
- Better color realisation with high CRI value, and strong color consistency over time
- Clearly defined beam spread for accent lighting
- Compatible with an extensive range of transformers and smooth dimming for dimmable products
- High lumen maintenance with long lifetime up to 40,000 hours

Application

- Home: Living room, bed room, hall way
- Hospitality: Hotel guest room, corridors, lobby, reception area, restaurant, bars, cafes
- Retail: Exhibitions, display cabinets, shops, dressing room, check out area

Dimensional drawing



Product	D	C
MASTER LED 6.5-50W 927 MR16 24D Dim	50 mm	
MASTER LED 7.5-50W+ 830 MR16 36D Dim	50 mm	46.5 mm

General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	- Hz
Line Frequency	- Hz
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Shape	MR16

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering	Color
				index (CRI)	Code
929003071908	MASTER LED 6.5-50W 927 MR16 24D Dim	24 degree(s)	2700 K	90	927
929003072808	MASTER LED 7.5-50W+ 830 MR16 36D Dim	36 degree(s)	3000 K	80	830

Light Technical (2/2)

MASTER LEDspot LV

Order Code	Full Product Name	Luminous Intensity	
		Luminous Flux (Nom)	
929003071908	MASTER LED 6.5-50W 927 MR16 24D Dim	500 lm	2,800 cd

Order Code	Full Product Name	Luminous Intensity	
		Luminous Flux (Nom)	
929003072808	MASTER LED 7.5-50W+ 830 MR16 36D Dim	660 lm	1,700 cd

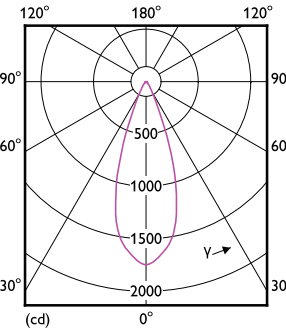
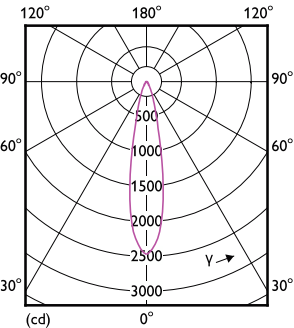
Operating and Electrical

Order Code	Full Product Name	Power Consumption
929003071908	MASTER LED 6.5-50W 927 MR16 24D Dim	6.5 W

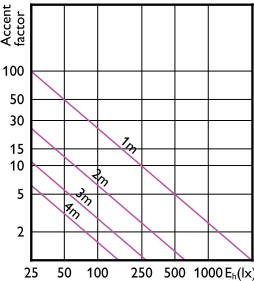
Order Code	Full Product Name	Power Consumption
929003072808	MASTER LED 7.5-50W+ 830 MR16 36D Dim	7.5 W

Temperature

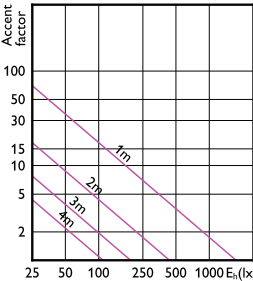
Order Code	Full Product Name	T-Case Maximum (Nom)
929003071908	MASTER LED 6.5-50W 927 MR16 24D Dim	90 °C
929003072808	MASTER LED 7.5-50W+ 830 MR16 36D Dim	93 °C



Accent Diagrams

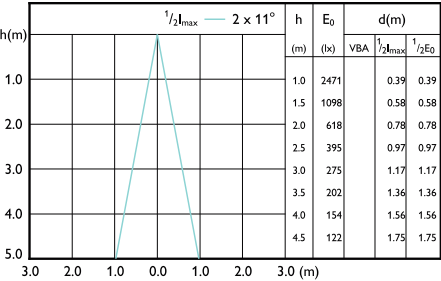


Accent Diagram - MASTER LED 6.5-50W 927 MR16 24D Dim

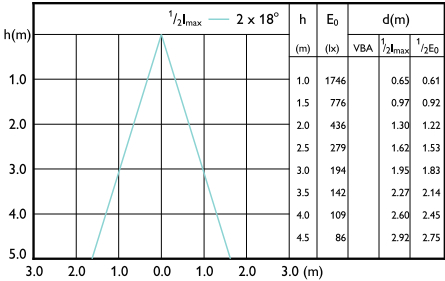


Accent Diagram - MASTER LED 7.5-50W+ 830 MR16 36D Dim

Beam Diagrams



Beam diagram - MASTER LED 6.5-50W 927
MR16 24D Dim



Beam diagram - MASTER LED 7.5-50W+ 830
MR16 36D Dim

